

## **REMARKS**

The Examiner is thanked for the thorough examination of the present application. The Office Action, however, tentatively rejected all claims 1-16. In response thereto, Applicants have amended the independent claims 1 and 9. These amendments render the rejections moot. Notwithstanding, Applicant submits the following additional distinguishing remarks.

In page 3 of the Office Action, the Examiner states "it is noted that the features upon which Applicant relies (i.e., the crystal oscillator connected to the analog ground reference in Figure3) are not recited in claims 1 and 9." Applicant respectfully requests reconsideration.

In paragraph [0021] of the application, Applicant stated that "It is also noticed that a crystal oscillator 350 acts as a joint clock source to supply clock pulses to both analog portion and digital portion circuit in the TDD transceiver depicted in Fig. 3. Conventionally, a ground reference of the crystal oscillator 350 is connected at the digital ground 370, and un-anticipatively creates some unpredictable interference suppresses a throughput rate of the TDD transceiver, and reduces a successful linking rate between two communication parties. It is noticed that the interference especially provides bad effects to the synthesizer 330." In order to solved this problem, the present application describes: "By connecting a ground reference of the join clock source that is the crystal oscillator 350 in the preferred embodiment of the present invention to the analog ground reference 360, a circuit element interference within the TDD is greatly reduced" (see paragraph [0022]) This feature can be seen in Fig. 3 and

also recited in the amended claim 1 as “the joint clock source has a ground reference directly connecting to the first ground reference and without directly connecting to the second ground reference.” Accordingly, with this amended language, claim 1 clearly defines over the cited art.

A similar limitation also added (by amendment) to independent claim 9. Comparing to the cited reference of US Pat 5,943,290 (hereinafter ‘290 patent), the ‘290 patent teaches the clocking signal generator 40 (which is comprised of 42, 44, 56, 58 the analog portion and the digital portion) being directly connected to both analog and digital ground (Fig. 4, ‘290 patent). As admitted by the Examiner, US Pat 5,930, 295 (hereinafter the ‘295 patent) to Isley Jr. et al. fails teaching a first ground reference, a second ground reference, and a joint clock source.

Thus, Applicant asserts that the cited references, taken singularly or in combination, fail to teach or disclose at least the claimed feature of “providing a joint clock source for supplying clock pulses to the analog circuit, the digital circuit, the A/D interface, and the D/A interface; and connecting a ground reference of the joint clock source to the directly first ground reference, wherein the joint clock source has a ground reference directly connecting to the first ground reference and without directly connecting to the second ground reference”, as is expressly recited in claim 1, or the similar feature of claim 9.

For at least the reasons stated above, the cited references do not teach or suggest that the joint clock source has a ground reference directly connecting to the first ground reference and without directly connecting to the second ground reference. For

at least this reason, claims 1 and 9 are allowable over the cited reference. Insofar as all remaining claims depend from either claim 1 or claim 9, these claims are also in condition for allowance.

In view of the foregoing remarks, Applicants respectfully request the Examiner's reconsideration of the application and the timely allowance of claims 1-16.

## **CONCLUSION**

This application is now in proper condition for allowance. If the Examiner believes that a telephone conference would expedite the examination of the above-identified patent application, the Examiner is invited to call the undersigned.

A credit card authorization is provided herewith to cover the fee associated with the accompanying RCE application. No additional fee is believed to be due in connection with this submission. If, however, any fee is believed to be due, you are hereby authorized to charge any such fee to deposit account No. 20-0778.

Respectfully submitted,

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